

Notice of Allowability

Application No.

09/675,866

Examiner

X L Bautista

Applicant(s)

HU ET AL.

Art Unit

2179

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to papers filed on 17 June 2004.
2. ☒ The allowed claim(s) is/are 1-30.
3. ☒ The drawings filed on 29/9/00 & 1/12/04 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

X L Bautista
Patent Examiner
Art Unit: 2179

DETAILED ACTION

Reasons for Allowance

1. Claims 1-30 are allowed.
2. The following is an examiner's statement of reasons for allowance:

Prior art of record fails to teach the combination of claimed elements including a method for sizing and scaling an image displayed in a display area having a first dimension and a second dimension, and the image having a third and a fourth dimension defining an aspect ratio, the image displayed in logical groupings of elements viewable in the image; rescaling the third dimension and the fourth dimension based on the adjustment to the first dimension to maintain an aspect ratio between the third and the fourth dimensions.

Halstead et al (US 6,667,750 B1) discloses a method for processing of graphical objects to layout the graphical objects. Halstead teaches an image having a first and second dimension (height and width) and an image having a third and fourth dimension. Halstead teaches images and other graphics that can be scaled in a way that preserves their aspect ratio. Halstead teaches elastics and dimensions of graphical objects that are processed in a three pass layout negotiation. In the first pass, preferred

sizes and elasticities of the graphical objects are computed along a first dimension; in a second pass, size values of the graphical objects along the first dimension are computed from the preferred sizes and elasticities, and preferred sizes and elasticities of the graphical objects along a second dimension are computed based on the size values of the graphical objects along the first dimension; in a final pass, size values of the graphical objects along the second dimension are computed from the preferred sizes and elasticities. Halstead fails to teach or suggest rescaling the third dimension and the fourth dimension of the image based on the adjustment to the first dimension of the display region to maintain an aspect ratio between the third and the fourth dimensions.

Okudaira (US 6,400,375 B1) discloses an information processing method that allows thumbnail images to be displayed in an arbitrary size designated by a user. An arithmetic section calculates one of a horizontal number or a vertical number of thumbnail images to be displayed at a time; a decision section determines a width and a height for a thumbnail image; a display control section reduces images of the image data so that each of the images may remain in a thumbnail image having the width and height inputted from the decision section and causes the images to be displayed in the image display region. Okudaira fails to teach or suggest rescaling the

third dimension and the fourth dimension of the image based on the adjustment to the first dimension of the display region to maintain an aspect ratio between the third and the fourth dimensions.

Conclusion

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

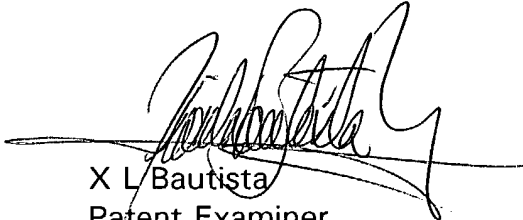
4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to X L Bautista whose telephone number is (703) 305-3921. The examiner can normally be reached on Monday-Thursday (8:00-18:00), Fridays Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Heather Herndon can be reached on (703) 308-5186. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

5. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private

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PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



X L Bautista
Patent Examiner
Art Unit 2179

xlb
29 July 2004

Best Available Copy